

**AMENDMENTS TO CLAIMS:**

The following listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A genetic vaccine construct comprising ~~an avipox a fowlpox~~ virus vector which incorporates and, on administration to a subject, expresses in a cell of said subject, a sequence of nucleotides encoding a xenogeneic ~~prostate specific polypeptide prostatic acid phosphatase~~ or a derivative or analogue thereof, ~~and a sequence of nucleotides encoding an immunostimulatory polypeptide wherein said avipox virus vector does not productively infect said subject.~~
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Currently Amended) The genetic vaccine construct of [[Claim 4]]claim 1, wherein the xenogeneic ~~prostate specific polypeptide prostatic acid phosphatase~~ is rodent prostatic acid phosphatase.
6. (Original) The genetic vaccine construct of claim 5, wherein the rodent prostatic acid phosphatase is rat prostatic acid phosphatase.
7. (Currently Amended) The genetic vaccine construct of claim [[2]]1, wherein the immunostimulatory polypeptide is a cytokine.
8. (Original) The genetic vaccine construct of claim 7, wherein the cytokine is one or more of IL-2, IL-12, TNF $\alpha$ , IFN $\gamma$ , IL-6, IL-4, IL-7 or GM-CSF.
9. (Original) The genetic vaccine construct of claim 8, wherein the cytokine is one or more of IL-2, IFN $\gamma$  or IL-12.

10. (Original) The genetic vaccine construct of claim 9, wherein the cytokine is IL-2.

11. (Canceled)

12. (Currently Amended) A composition comprising the genetic vaccine construct according to [[claims]]claim 1 or [[2]]claim 5.

13. (Currently amended) A composition consisting essentially of the genetic vaccine construct according to [[claims]]claim 1 or [[2]]claim 5.

14. (Currently amended) The composition of claim 12 [[or 13]], wherein expression products of said genetic vaccine construct stimulate a prostate cell specific immune response.

15. (Currently Amended) The composition of claim 14, wherein prostate cell specific immune response is a [[PAP]]prostatic acid phosphatase specific immune response.

16. (Currently amended) The composition of claim 14 or 1512, wherein the expression products of the genetic vaccine construct stimulate autoimmune prostatitis.

17. (Canceled)

18. (Currently amended) A recombinant vector for use in making the genetic vaccine construct according to claim [[2]]1 comprising:

- i) ~~an avipox~~fowlpox virus vector nucleic acid sequences comprising sites for homologous recombination with ~~an avipox~~a fowl virus vector;
- ii) one or more promoters;
- iii) a sequence of nucleotides encoding [[a]]said xenogeneic ~~prostate specific~~ polypeptide prostatic acid phosphatase; and
- iv) a sequence of nucleotides encoding [[an]]said immunostimulatory polypeptide.

19. (Currently amended) A eukaryotic cell infected with a genetic vaccine construct according to [[claims]]claim 1 or [[2]] claim 5.

20-47. (Canceled)